

I. IMPORTANT SAFETY INSTRUCTIONS



To ensure your safety and the safety of others, please ensure that you read all the safety information before operating this product.

Keep this information in a safe place for future reference.



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Safety Considerations.

- ▶ Position the cables so that they cannot be walked on or pinched by items placed on or against them.
- ▶ Do not use the set top box in humid or damp conditions.
- ▶ Do not allow the set top box to get wet.
- ▶ Do not expose the set top box to dripping or splashing.
- ▶ Do not place water filled objects such as vases on top of the set top box.
- ▶ Do not place naked flame sources, such as candles, on the top of the set top box.

Ventilation

The slots and openings on the set top box are for ventilation. Do not cover or block them as it may cause overheating.

NEVER let children push anything into the holes or slots on the case.

Servicing

There are no user serviceable parts in this set top box.

Battery Disposal

Please ensure batteries are disposed of safely.

Never dispose of batteries in a fire or with other household waste.

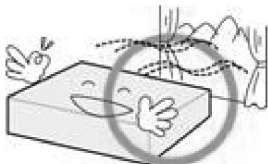
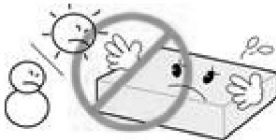
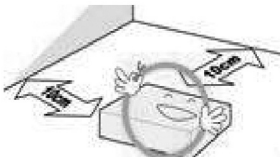
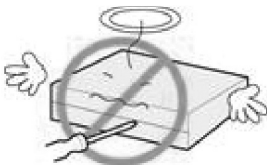
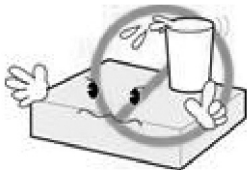

Check with your local authority for disposal regulations.

Cleaning

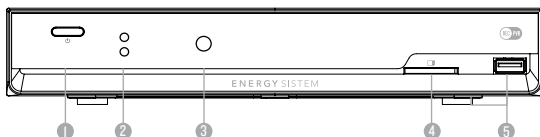
ALWAYS unplug the set top box before you clean it.

Do not use liquid or aerosol cleaners.

Clean the set top box with a soft, damp (not wet) cloth.

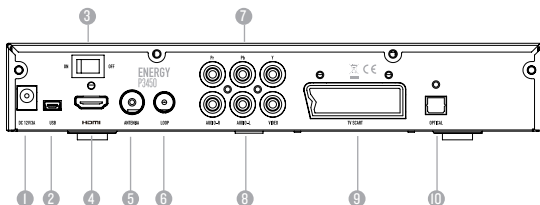
P3450 HANDLING AND CARE	
Place the product in a well-ventilated area.	Don't install it in the cold or under direct sunlight.
	
Leave a minimum 10cm gap all around the product	Do not disassemble, repair, or reorganize the product
	
Don't place cups with water or other liquids on the top of the product	Don't place objects on the top of the product
	

2. FRONT PANEL



1. POWER / STANDBY KEY
2. POWER / STANDBY LED INDICATOR
3. IR RECEIVER
4. SD/SDHC CARD READER
5. USB HOST PORT

3. REAR PANEL



1. DC IN
2. MINI USB Device
3. Power Switch
4. HDMI connector
5. IEC Antenna connector
6. Loop through connector
7. YPbPr Component output
8. AV Composite output
9. Scart Connector
10. S/PDIF Digital Audio Optical

4. REMOTE CONTROL

4.1. BUTTON DESCRIPTIONS

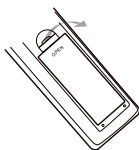


4.2. INSTALLING THE BATTERIES

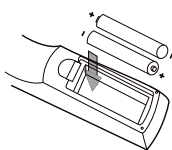
Remove the battery cover from the remote control and put 2xAAA size batteries inside the compartment.

The following diagram shows the correct way to insert batteries.

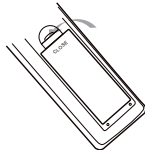
1. Open the cover



2. Install batteries



3. Close the cover

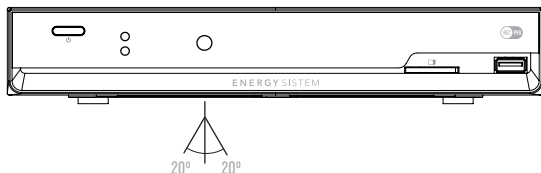


- ▶ Keep batteries out of reach of children. If someone swallows a coin cell or battery must receive immediate medical attention.
- ▶ Do not attempt to reactivate the batteries using heat, loading, or by other means. Never dispose of batteries in fire, or disassemble or short circuit. Replace batteries at least once a year to avoid spillage.
- ▶ Replace both batteries at the same time and replace them with the same type.
- ▶ When not using the remote control for a long time, remove the batteries.

4.3. USING THE REMOTE CONTROL

To use the remote control, point it towards to the front of the multimedia player.

The remote control has a range of 5 metres from the receiver at an angle of 40 degrees.



The remote control will not work if the way to the receiver is blocked.

Sunlight or other very strong light will decrease the sensitivity of the remote control.

5. CONNECTION

Caution: Make sure the outlet voltage is the same as the receiver.

To avoid the risk of electric shock do not open the cover or the back of the receiver when P3450 is connected to mains supply.

5.1. CONNECTING THE INTERNAL HARD DISK SATA 3.5"

If your model of P3450 is not provided with an internal hard disk already installed, please follow the step by step instructions below to connect it to the player. Unplug P3450 from mains supply before starting the hard disk installation.

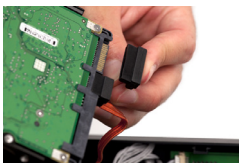
1. Unscrew the four screws located on the rear panel.



2. Slide the top cover.



3. Connect the SATA cable (data and power) to the HDD.



4. Place the hard disk into the holder in the correct position and fix the HDD to the base with four screws



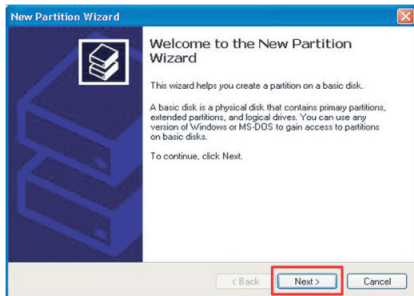
5. Carefully slide the top cover to the original position and replace the screws.



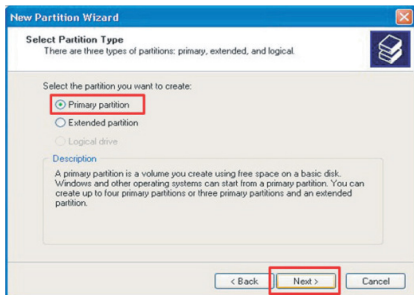
5.2. PARTITIONING AND FORMATTING HARD DISK DRIVE

Newly purchased hard disks are not usually formatted or partitioned. Non-formatted hard disks cannot be detected by P3450; if so, make it usable first by formatting with a computer. For that purpose, we recommend you to use the usb connector.

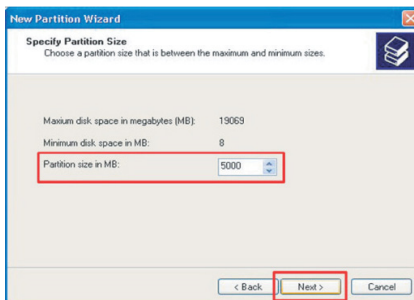
Note: There are slight changes in this procedure depending on the operating system version.



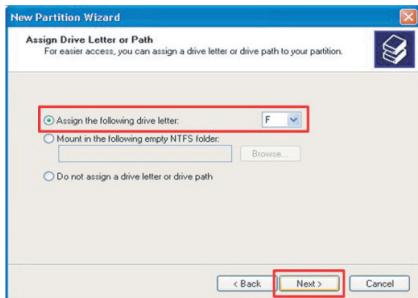
5. 'New Partition Wizard' will show. Click [Next] to continue.



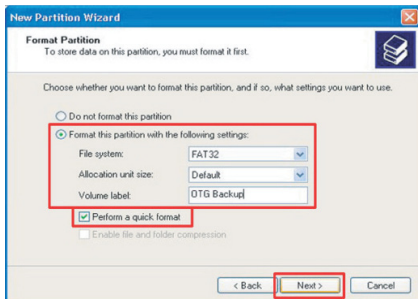
6. Select [Primary Partition] and click [Next] to continue.



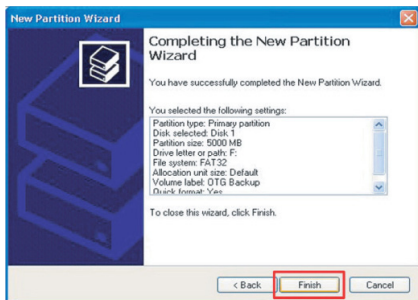
7. Enter the desired partition size and click [Next] to continue.



8. Assign a drive letter to the partition (you can accept the letter suggested by the wizard), click [Next].



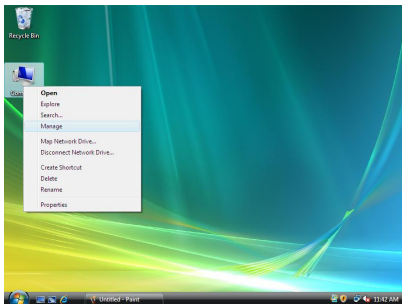
9. Select [Format this partition with the following settings]; FAT32 or NTFS as [File system] and then check [Perform a quick format]. Click [Next] to continue.



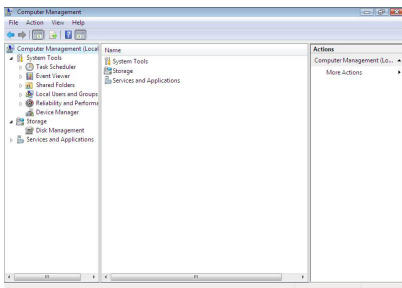
10. Check the settings are correct and click [Finish].

Windows will perform the requested operations to create the new FAT32 or NTFS partition.

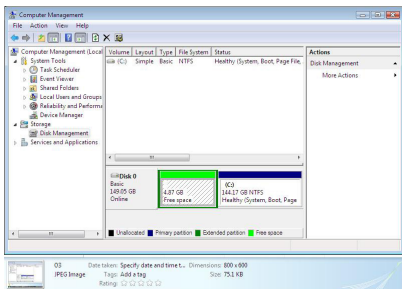
5.2.2. Windows Vista



1. Right click on the 'Computer' icon in your desktop and select 'Manage'.

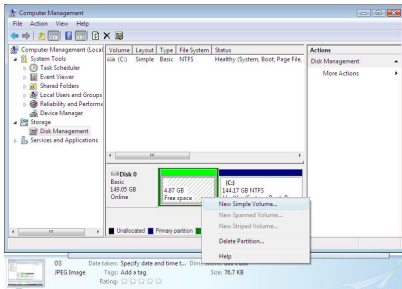


2. At the 'Computer Management' window select 'Storage > Disk Management'.

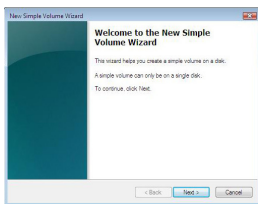


3. Select the hard disk that refers to P3450 on the right side panel.

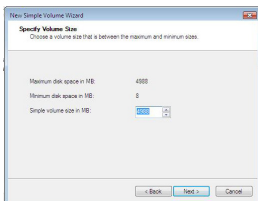
4. If necessary, activate the hard disk right-clicking on 'Disk n *'.



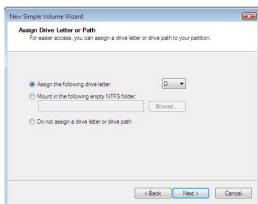
5. Right click the hard disk bar and select 'New Simple Volume'.



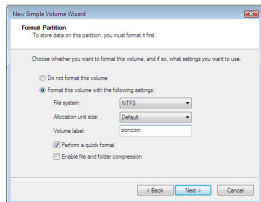
6. The 'New Simple Volume Wizard' will start. Click 'Next' to continue.



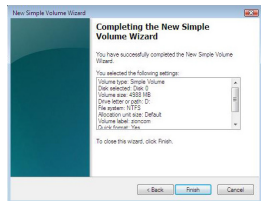
7. Specify the desired partition size.



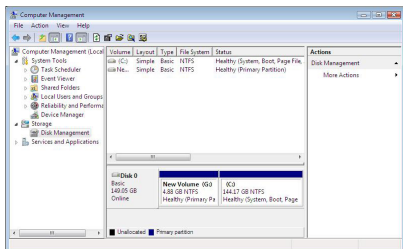
8. Assign a drive letter to the partition (you can accept the letter suggested by the wizard). Click 'Next' to continue.



9. In this step leave all the default values unchanged and click 'Next' to continue.





10. Click 'Finish' to start the actual formatting.

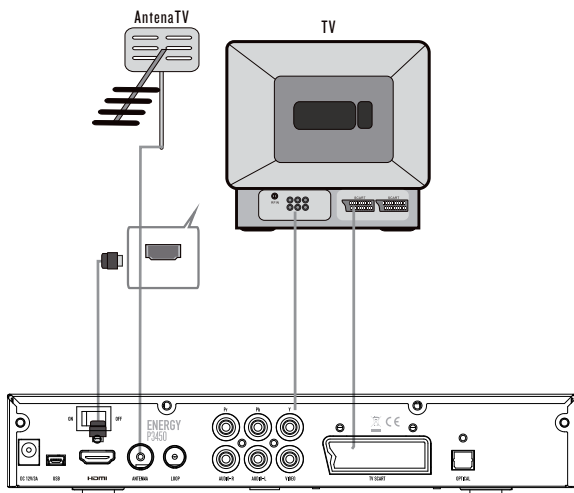


11. When the formatting is over the text 'Healthy (Primary Partition)' will be shown confirming that the disk is ready to use.'

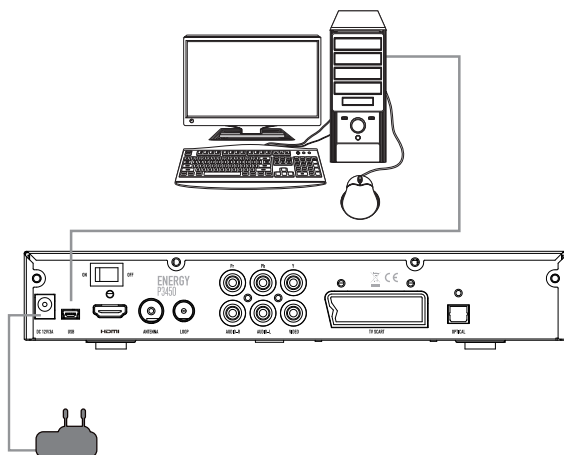
5.2.3. Windows 7

1. Open Computer Management by clicking the Start button , clicking Control Panel, clicking System and Security, clicking Administrative Tools, and then double-clicking Computer Management.  If you're prompted for an administrator password or confirmation, type the password or provide confirmation.
2. In the left pane, under Storage, click Disk Management.
3. Right-click an unallocated region on your hard disk, and then click New Simple Volume.
4. In the New Simple Volume Wizard, click Next.
5. Type the size of the volume you want to create in megabytes (MB) or accept the maximum default size, and then click Next.
6. Accept the default drive letter or choose a different drive letter to identify the partition, and then click Next.
7. In the Format Partition dialog box, do one of the following:
 - ▶ If you don't want to format the volume right now, click Do not format this volume, and then click Next.
 - ▶ To format the volume with the default settings, click Next.
8. Review your choices, and then click Finish.

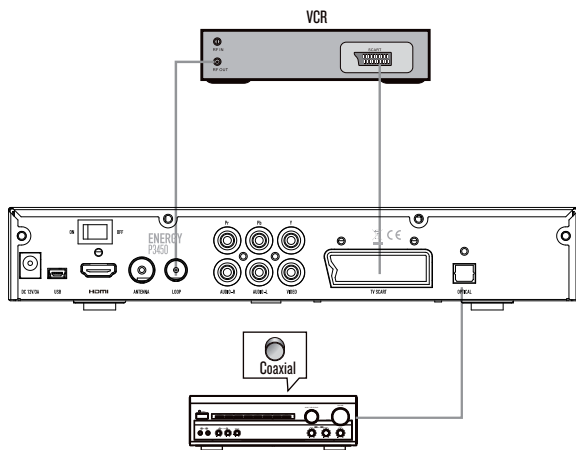
5.3. CONNECTING P3450 TO TV



5.4. CONNECTING P3450 TO PC / MAC



5.5. CONNECTING P3450 TO AUXILIARY DEVICES

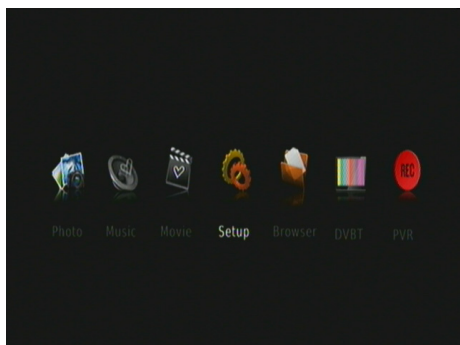


Note: When connecting the receiver to other equipment (e.g. TV, VCR and amplifier), make sure to refer to relevant user manual for instruction. Also, make sure you disconnect all the equipments from the mains supply before the connection.

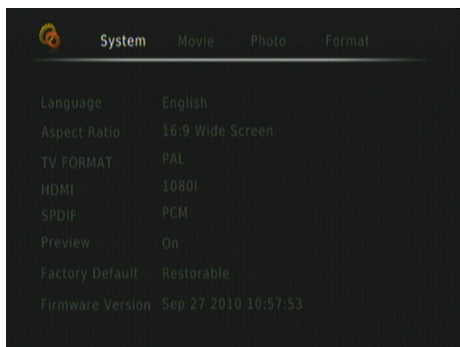
After all connections have been made properly, you are ready to use Energy P3450. Switch on TV and make sure the receiver is connected to the Main Power. Make sure that the Power Switch in the rear panel is in the ON position. Press Power button to switch receiver on.

6. USER INTERFACE – MULTIMEDIA MAIN MENU

There are seven different options in the main menu screen.



6.1. SETUP



The Setup menu allows you to personalize and configure the preferences for your player.

To select a Setup option:

There are four Setup options, including SYSTEM, MOVIE, PHOTO and FORMAT.

Use the LEFT/RIGHT navigational buttons to select a menu. Press OK to confirm.

Press EXIT to exit the sub-setup menu.

6.1.1. System

It will allow you to change system settings.

Language: The system language of this player is set to Spanish as default, but it can be set to English or other languages. Change the language you wish in the setup menu. The selection will take effect immediately.

Aspect Ratio:

AUTO: Display picture or movie on original aspect ratio.

4:3 Full: Display picture or movie on the full screen.

Pan Scan 4:3: Display a wide picture on the entire screen and cuts off the redundant portions. Select when a standard 4:3 TV is connected.

Letter Box 4:3: Display a wide picture with two black borders on the top and bottom of 4:3 screen. Select when a standard 4:3 TV is connected.

16:9 Pillar Box: Maximizes the image in the vertical axis 16:9. If the video is 4:3 adds black stripes in both sides.

16:9 Wide Screen: Maximizes the image in the horizontal axis to 16:9 format.

TV Format: Select to adjust TV model NTSC or PAL.

HDMI: Select to adjust video HDMI output resolution 576P, 720P, 1080I, 1080P.

SPDIF: Set PCM/ RAW DATA when select the optical as audio output. Else set OFF.

PREVIEW: Select to turn on / off movie or music preview in the browser menu.

Factory Default: Select to restore factory defaults settings for multimedia configuration. Note that this operation will erase the current configuration.

Firmware version: Shows the software INFO.

6.1.2. Movie

It will allow you to change movie settings.

SUBTITLE SPECIFIC: Select the subtitle size specification: **NORMAL/ SMALL/ BIG.**

SUBTITLE BG: Select to adjust subtitle background colour: **TRANSPARENT/ YELLOW-GREEN/ WHITE/ GRAY.**

SUBTITLE FONT COLOR: Select to adjust subtitle font colour: **White, black, red, green or blue.**

START RESUME: Select to turn on / off resume playback (auto-bookmarking) feature for movies.

6.1.3. Photo

It will allow you to change photo settings.

Slide time: Select to adjust slide show time: **2s/3s/5s/7s.**

Slide mode: There are 60 slide show modes you can choose: **RANDOM, 0, 1... 59.**

Aspect Ratio: Select to adjust photo aspect ratio: **DISCARD/KEEP.**

6.1.4. Format

You can format a partitioned HDD (FAT32 or NTFS). Note that this will erase all the content you have stored on your HDD.

6.2. PHOTO

In photo play mode, all folders and supported photos in current directory will be displayed. Please set the preview item as “on” in setup.

The following buttons can be used to control photo playback.

Button	Function
UP/DOWN	Move the cursor up/down. When the picture is on Fullscreen, rotate a photo in any angle.
REPEAT	When selected picture is on Fullscreen, set play mode options: Repeat All, Ordinal, Shuffle.
OK	Play selected picture on Fullscreen.
PLAY/PAUSE	Begin or pause slideshow.
STOP	Stop slideshow.
THUMB	Press to show 8 thumbnails mode.
ZOOM	Zoom in / out the image.
PREVIEW/NEXT	1) View the previous or next photo on playback mode. 2) View the previous or next page on browse menu.
INFO	Show the related information.
BG-Music	Start playing background music.

Note:

During slide show, the system is able to play audio files as background music from:

- 1) Playlist, if you had already set a playlist
- 2) Current directory, if there is no playlist

Else it will not play background music.

6.3. MUSIC

In music play mode, all folders and supported music files in current directory will be displayed.

The following buttons can be used to control music playback.

Button	Function
UP/DOWN	Move the cursor up/down.
OK	Preview the music on the right window. Please set the preview item as "on" in setup.
REPEAT	Set repeat options: Ordinal, One, All, Shuffle.
PLAY/PAUSE	Start or pause playback.
REV/F.F	Fast rewind or fast forward. Press repeatedly to select the speed.
STOP	Stop playback.
RIGHT	Select/cancel music files which you favourite or which you want to delete on playlist.
FAV	Begin to play the audio files that you have selected with "right" button. The playlist will be saved on current memory device.
EXIT	Exit PLAYBACK or PLAYLIST mode and back to previous directory.
Page UP / Page DOWN	View the previous or next page or file.
YELLOW	Select all files in playlist that will be deleted.
GOTO	Start to play at the appointed time.
INFO	Show the repeat status under playlist mode.
VOL+/VOL-	Increase/Decrease volume.

Managing the Playlist

In this mode, this player supports the playlist function, which allows you to add your favourite audio files on local HDD/Memory Card to the playlist, and enjoy

them in slide show mode or at any time. The playlist will be saved on the current partition.

Adding files to the playlist:

Select the favourite file you wish to add, press the "Right" direction key, and the file will be ticked.

Press the FAV button to confirm, and then a PLAYLIST MODE will be shown.

Delete files from the playlist:

Select the destination file, press the RIGHT button ,and the file will be marked, and then press OK to delete them immediately ,or will be delete when you exit the playlist.

6.4. MOVIE

In movie play mode, all folders and supported videos in current directory will be displayed. The following buttons can be used to control video playback.

Button	Function
UP/DOWN	Move the cursor up/down.
OK	Preview the video file on the right window (Please set the preview item as "on" in setup menu). Press OK again to start playing it on fullscreen.
PLAY/PAUSE	Start or pause playback.
REV/F.F	Fast rewind or fast forward. Press repeatedly to select the speed.
STOP	Stop playback.
EXIT	Exit PLAYBACK mode or return to previous folder/directory.
Page UP / Page DOWN	View the previous or next page or movie.
SUB-T	Subtitle button, switch between multi-subtitles (if available).
INFO	Shows the related information of the file.
ZOOM	Zoom in/out the video file.

GOTO	Press to jump to a specific point on the playback.
RED	ENTER/EXIT Fullscreen mode.
16:9	Switch screen aspect ratio.
AUDIO	Switch audio tracks (if available).

6.5. BROWSER

In browser mode, all folders and supported contents (music, photos, and movies) will be displayed.

The following buttons can be used to control Browser mode.

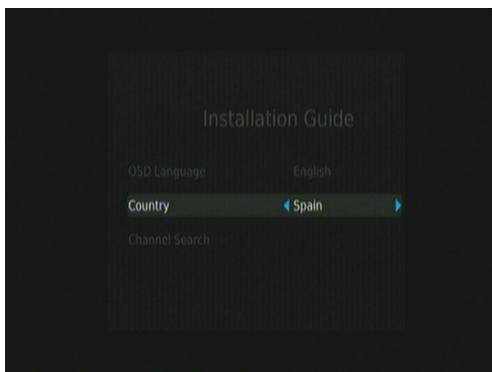
Button	Function
UP/DOWN	Move the cursor up/down.
BLUE	Select the files which will be deleted.
OK	1) Preview the video/music/photos file on the right window (Please set the preview item is "on" in setup menu). Press OK again to start playing it on fullscreen. 2) Press to confirm the deletion of the selected files.
PLAY/PAUSE	Start or pause playback.
REV/F.F	Fast rewind or fast forward. Press repeatedly to select the speed.
STOP	Stop playback.
EXIT	Exit PLAYBACK mode or exit PLAYLIST mode.
Page UP / Page DOWN	View the previous or next page.

The system permits to delete files under "Browser mode". You can select the files that you want to delete by pressing the "Blue" key in the remote control, and then press "OK" to start to delete.

6.6. DVB-T

6.6.1. First Time Installation

When you are using the DVB-T TV player for the first time or restored to Factory Default, the Installation Guide dialog box will appear on your TV screen with the following options.



OSD Language: you can choose the language.

Country: you need choose the country before starting the channel searching.

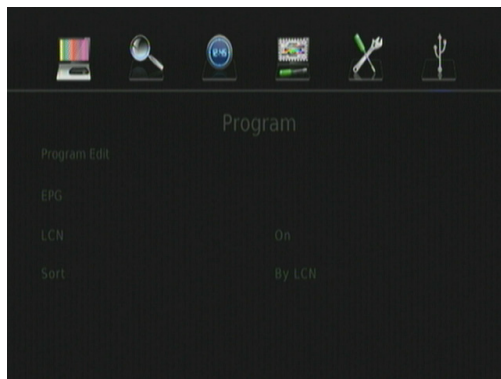
Channel search: start to auto search channels.

Note: You can also choose “manual search” for channel searching in the TV Player Setup Menu.

After setting these parameters, you can start playing TV channels.

6.6.2.DVB-T Setup Menu

Press “MENU” key to enter the DVB-T TV Setup Menu. There are six different options:



6.6.2.1. Program

Program edit: press right key to enter program edit sub-menu. The default password is: 888888



In this mode the four colour keys will be used under this mode:

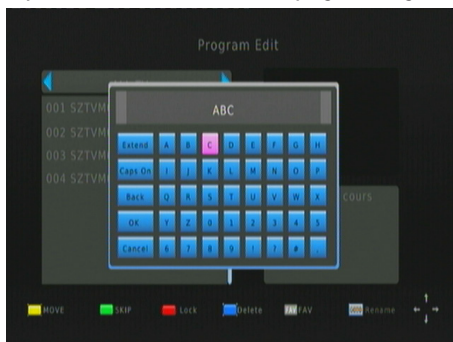
Move: yellow

Skip: Green

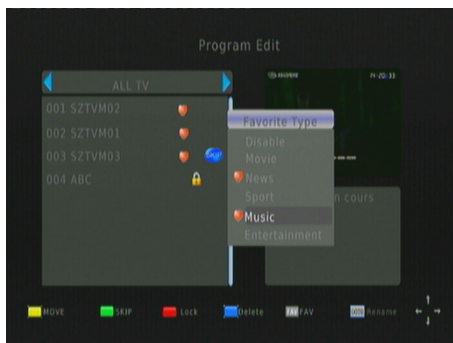
Lock: Red

Delete: Blue

Rename: Goto. Choose the object channel, and press “GOTO” key to show the soft keyboard. You can now rename the program using it.



Grouping: FAV. Choose the channel, then press FAV key to show the group list (Disable, Movie, News, Sport, Music, and Entertainment). Select the group and press OK, and it will appear a red heart icon on the left to confirm. Press OK again if you want to cancel. You can choose more than one item. Use “disable” to reset.



EPG (Electronic Program Guide): press “OK” to show the seven days program information for the current channel (availability depends on broadcasting channel).

LCN (Logical Channel Number): Press left /right key to switch LCN ON /OFF.

Sort: Press right key to choose how to sort the channels: by LCN, ONID, Service Name, Service ID.

6.6.2.2.Channel search

Auto Search: press right key start to auto scan all frequency.

Manual Search: press right key start to manual search setting.

Country: press left/right key to choose the country.

6.6.2.3.Time

Time offset: Press right/left key to switch time offset mode. It can be auto (by selecting the country region) or manual (by adjusting the time zone offset).

Country region: When time offset is set as auto, press right/left key to choose the country region.

Time zone: When time offset is set as manual, press left/right key to adjust time zone offset.

6.6.2.4.Option

Subtitle language: Press left/right key to choose the TV subtitle language (availability depends on broadcasting channel).

Audio languages: Press left/right key to choose the audio language (availability depends on broadcasting channel).

Digital audio: Press left/right key to choose digital audio output: PCM/ DATA RAW.

6.6.2.5.System

Parental Guidance: press left/right key to set the minimum age level for the program. The default password is: 888888

Set password: Press right key to enter the password setting sub-menu, and then use the numeric key on the RC to set the password.

Factory default: Press right key to restore the default settings. The default password is: 888888

Information: Press right key to show the system information (model number, SW Version, HW Version).

6.6.2.6.PVR configure

Press right key to choose the PVR target disk (SD Memory card, USB Host or SATA 3.5" INTERNAL HDD).

The recordings are saved in a folder that is automatically created in the root directory of the chosen device, called PVRRECORD.

Note: The efficiency of the recording on memory cards depends on the speed or transfer rate that supports the card used.

6.6.3.DVB-T Playback mode

The following buttons can be used to control DVB-T Playback mode.

Button	Function
CH+/CH-	Press to view previous/next channel.
INFO	Press to show the channel basic information. If you want to view detailed information (such as frequency or bandwidth), just press info key twice.
SUB-T	Press to choose the subtitles. This is only available if the channel has multi-subtitles.
AUDIO	Press to choose the audio track. This is only available if the channel has multi-audio tracks.
TTX	Press to start review TTX (availability depends on broadcasting channel). Use the four colour keys for a direct access to main pages.
EPG	Press to show the seven days program information for the current channel (availability depends on broadcasting channel).
OK	Press OK key to show all TV channels list. Press left key if you want to list all radio stations.
MENU	Press to exit current menu and return to previous menu or to exit DVB-T mode and return to main menu.
Vol+/Vol-	Press to adjust volume.
EXIT	Press to return to main menu.
NUMERIC BUTTONS	Press to put into the number when you manually search a channel.

Note: Your Energy P3450 is capable of tuning both standard DVB-T channels and high definition DVB-T channels (HD DVB-T).

6.6.4. DVB-T Recording Mode

The following buttons can be used to control DVB-T recoding mode.

Button	Function
REC	Press to start recording directly.
YELLOW	Under PVR booking menu, press to add a recording schedule. Under EPG menu, press to start EPG reservation recording.
RED	Press to edit the recording schedule.
BLUE	Press to delete a recording schedule under recording schedule menu.
GREEN	Press to enter the PVR booking menu.

The system supports three recording modes (One button recording, Scheduled recording and Timeshift) as follows bellow. You can read the files you had recorded in the Main Menu "PVR" interface (see 6.7).

Note:

- 1) Don't forget to set the PVR target disk from DVB-T Setup Menu / PVR configure before you start adding a record booking list.
- 2) Different recording tasks can not be set at the same time.

6.6.4.1. One button recording:

While watching TV, press "REC" button to start recording the channel. Press "stop" button to exit.

6.6.4.2.Scheduled recording:

6.6.4.2.1. Manual Reservation Recording

Press “Green” key to enter the Schedule mode and open PVR booking menu. Then press “yellow” key to add the current recording task. You can use “Red” or “Green” keys to edit or delete any existent booking.

Press “OK” to confirm the scheduled recording and save the changes.

6.6.4.2.2.EPG Reservation Recording

Press EPG to show the TV programs list. Choose the program you want to record and click OK or “yellow” to confirm the selection. Then use the “yellow”, “Red” or “Green” keys to add, edit or delete it.

Press “OK” to confirm the scheduled recording and save the changes.

Notes:

- 1) If the EPG record and manual record are in use, you can't start a one button recording task.
- 2) If the system is recording channel A (one button recording mode), and channel B recording task is coming up, the system will show a dialog window ,then you can choose to continue recording channel A or change to channel B to start recording schedule task. When the recording process has finished, the device will return to channel A.
- 3) If you are watching channel A, the system will show you a dialog window when timing up ,then you can choose to cancel or change to start the schedule recording task. When the recording process has finished the device will return to channel A.
- 4) If you are on multimedia play mode, the system will show you a dialog window when timing up, and then you can choose to cancel or change to start the schedule recording task. When the recording has finished the device will return to multimedia play mode.
- 5) If you set the device on stand by mode, the device will auto wake up and start the recording tasks, when timing up. When the recording is finished the device will return to stand by mode.
- 6) Do not forget to close the Schedule menu to save the setting, before starting next step.

6.6.4.3. Timeshift

Press “Timeshift” key to start recording the program you want to review. Then you can press “FR” or “FF” key to select the recorded segment you want to watch or review, while the recording process continues its normal course. Press “STOP” key to exit timeshift. Press “INFO” key to show detailed information, hide the timeshift bar or show it again.

6.7. PVR

In PVR mode, all folders and supported videos already recorded in current directory will be displayed. Please set the preview item as “on” in setup.

The system permits to delete files under “PVR mode”. You can select the files that you want to delete by “Blue” key in the remote unit, and then press “OK” to start to delete.

7. TROUBLESHOOTING

If you experience problems with this receiver or its installation, in the first instance please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Standby LED not lit	Your P3450 is unplugged or the power on/off switch on the rear panel is OFF	Turn on the power on/off switch on the rear panel. If it still does not lit, check the connections
No signal found	Aerial is disconnected	Check aerial lead
	Aerial is damaged/misaligned	Check aerial
	Out of digital signal area	Check with dealer
No picture or sound	Turned to digital teletext channel	Change to another channel

Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
No response to remote control	Receiver off	Plug in and turn on receiver
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Remote control batteries exhausted	Replace remote control batteries
After moving the device to another room can't receive the digital signal	The aerial feed may come through a distribution system which may reduce the digital signal	Try a direct feed from antenna

8. TECHNICAL SPECIFICATION

Item	Specification	
Video	Resolution	576p, 720p, 1080i, 1080p
	Aspect Ratio	4:3 (Letterbox, Pan & Scan) & 16:9
	Output Port	HDMI, Composite, Component, Scart
Audio	Output	Optical
Power	AC/DC Adapter Input Voltage	AC 100V - 240V 50Hz - 60Hz
	AC/DC Adapter Output Voltage	DC 12V - 3A
Multimedia Format	Video	MPEG 1/2/4 (VOB, MPG, TS, MOV, MP4), AVI (DivX, Xvid, H.264), MKV (H.264)
	Audio	MP3 y WMA
	PVR	TS (Transfer Stream)
	Photo	JPEG, PNG, BMP
Card Reader	SD / SDHC / MMC	
HDD	NTFS / FAT32	

Note: Specifications are subject to change without further notice.

***Energy Sistem** does not warrant the support of all video/audio codec formats.

Supported Video Specifications:

File Extension	Container	Video Codec	SPEC	Bit Rate	Profile
mpg, mpeg	MPG, MPEG	Mpeg 1,2	1920x1080 @ 30P	20Mbit/s	Main Profile
ts, m2ts	MPEG2-TS H264-TS	MPEG2 ,H.264	1920x1080 @ 30P	20Mbit/s	H264: Main Profile y High Profile @Nivel 4.0 MPEG2: Main Profile
vob	MPEG2-PS	MPEG2	1920x1080 @ 30P	20Mbit/s	Main Profile
mp4	AVI, MP4	MPEG4 Divx 4.12, Divx 5.x, Divx 6, Xvid 1.01, Xvid 1.02, Xvid 1.03, H.264	1920x1080 @ 30P	20Mbit/s	H264: Main Profile y High Profile @Nivel 4.0 MPEG4: Simple Profile y Advanced Simple Profile @Nivel 5
mkv	MKV	H.264, MPEG1,2,4	1920x1080 @ 30P	20Mbit/s	H264: Main Profile y High Profile @Nivel 4.0 MPEG4: Simple Profile y Advanced Simple Profile @Nivel 5

divx, avi	AVI(1.0, 2.0), DMFO,1,2	MPEG2, MPEG4 Divx 4.Divx 5, Divx 6, Xvid 1.01, Xvid 1.02, Xvid 1.03, H.264	1920x1080 @ 30P	20Mbit/s	MPEG2: Main Profile MPEG4: Simple Profile y Advanced Simple Profile @Nivel 5
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Comment: MP4: GMC is not supported

9. WARRANTY

Energy Sistem Soyntec S.A. warrants its products to be free from defects in materials and workmanship at the time of purchase.

The warranty period is 36 months from the date of purchase for your Multimedia Player & DVB-T Recorder Receiver.

WARRANTY PROCEDURE

Visit the Support section at <http://support.energysistem.com> and select your product to view the FAQ (Frequently Asked Questions).

The solution to your problem is very likely to have been already published there. You will also be able to download user manuals, user guides, drivers and updates.

If you cannot find an appropriate solution in the Support section, you may send us your enquiry or warranty service request by email: support@energysistem.com.

Alternatively, you may prefer to contact the distributor from which you purchased the product, presenting the purchase receipt or invoice.

Specifications are subject to change without notice.

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DECLARATION OF CONFORMITY

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NIF: A53107488

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We declare under our own exclusive responsibility that the product:

Energy Sistem® Multimedia Player with HD DVB-T Recorder Energy™ P3450
is in compliance with the essential directives, norms and standards of the European

Union 89/336/EEC (EMC Directive).

Manufacturing country: China



This symbol on the product or the instructions means that your electrical and electronic equipment should be disposed at the end of life separately from your household waste. For more information, please contact the local authority or dealer where you purchased the product.



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